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SEATTLE, WASHINGTON

THE BOEING COMPANY

CODE IDENT NO. 81205

NUMBER D2-13946-5

TITLE FLIGHT ARTICLE MASS PROPERTIES REPORT FOR MINUTEMAN WING II COMPONENTS FOR MISSILE 688-738

MODEL NO. WS-133A CONTRACT NO. AF04(694)-46

ISSUE NO. 11 ISSUED TO Astia

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SUMMARY

This report contains mass property summaries of the Boeing components for a series of Operational Wing II Minuteman missiles. The serialized components included in the data for each missile are those committed to that particular missile during the course of production in Seattle and may not be the ones finally installed during assembly at Air Force Plant 77.

1.0 INTRODUCTION

1.1 REFERENCES

1.1.1 BSD Exhibit 62-45, "Mass Properties Control data for WS-133A", Dated 3 August 1962.

1.1.2 CCN 258 (BSD-63MCN-2597) to AF04(647)-580 dated 5 October 1962.

1.1.3 Boeing Document D2-13943-2, "Flight Article Mass Properties Report for CTLI Installations."

1.1.4 Boeing Document D2-13944-501, "Flight Article Mass Properties Report for Missile 501 Components."

1.1.5 Boeing Document D2-13956-1 "Statistical Means and Dispersions for the Mass Properties of Boeing Components for the Wing II Operational Minuteman Missile - March 1, 1963."

1.1.6 Boeing Document D2-13947-xxx "Air Force Plant 77 Flight Article Mass Properties Report for Missile xxx.

1.2 COMPONENT SERIAL NUMBERS

Component serial numbers appear on the data summary sheet for each missile. See pages 11 through 46.

1.3 DISCUSSION

This weight report for the Boeing components of a series of Operational Wing II Minuteman missiles is presented in accordance with section 3.1.1 of BSD Exhibit 62-45 (reference 1.1.1) as authorized by CCN 258 to AF04(647)-580 (reference 1.1.2). Since the data are to be reported monthly, this report contains data for a series of Wing II missiles whose components were manufactured recently. The report includes actual mass properties for the major components assigned to each missile in the manufacturing records at Seattle. (These may not be the same components finally assembled together at Air Force Plant 77. See reference 1.1.6 for the final configuration). Mean mass properties are used for components other than the interstages, aft skirt, and base heat deflectors since the weights for these remaining items are small. Mean and dispersion back-up data for these items can be found in the latest quarterly means and dispersions report (reference 1.1.5).

The data presented in this report consist of (1) sectional summaries of the total Boeing weight responsibility for each missile covered by this report, (2) a sectional summary of the components whose mean weights are used in lieu of actual weights, (3) summary check lists by missile section, (4) a list of Engineering Change Proposals incorporated on the hardware included in this report, and (5) actual weighing records for the interstages, the aft skirt, and the base heat deflectors.

The actual weighing records for the major components covered by this report can be found in section 6 (pages 49 through 162). In order to limit the size of this report, weighing diagrams and inventory lists have been omitted for all but the first unit of each interstage and skirt since the components have all been weighed in the "complete" condition. However, these records are on file and can be supplied if necessary. The change records found in section 6 are listed in order by serial number for each major component in order to assist in cross referencing the components in case of substitution at a later date.

1.4 CTLI PROVISIONS

The only CTLI provisions incorporated into this report are those components which are installed on every operational missile. The mass properties data for CTLI components which will be added at Vandenberg Air Force Base are reported in reference 1.1.3.

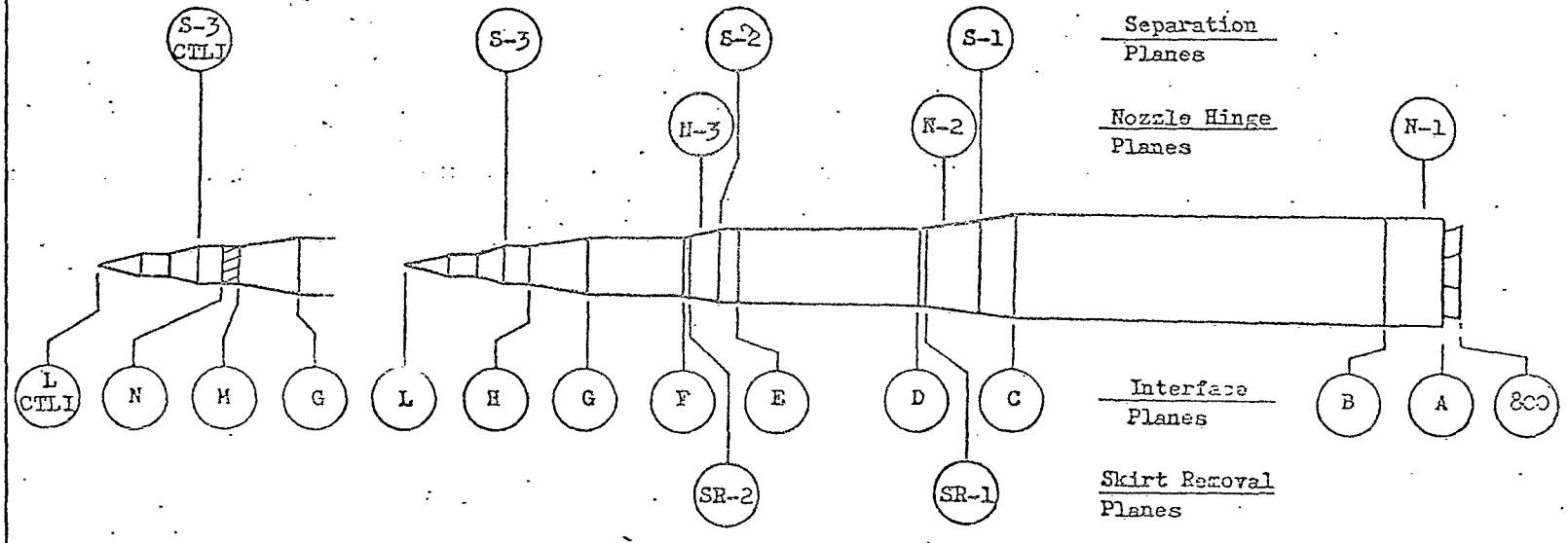
1.5 WEIGHING PROCEDURES

A description of the weighing procedures and an accuracy statement will be found in reference 1.1.4.

1.6 ENGINEERING CHANGE PROPOSAL (ECP) SUMMARY

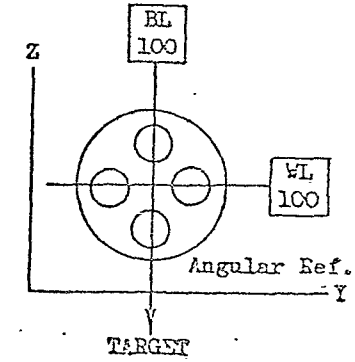
See page 48 for a list of the ECP's incorporated on the Boeing components covered by this report. The ECP's listed are those not covered by the latest revision to "Model Specification for Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963.

WING II
OPERATIONAL AND CTLI MISSILE STATION DIAGRAM



1 These Missile Stations become 50.000 when converted to Boeing Section Stations.

SEPARATION PLANES	MISSILE STA	INTERFACE PLANES	MISSILE STA
S-1	501.66	A	784.24
S-2	342.93	B 1	748.24
S-3	210.55	C 1	525.60
S-3 CTLI	200.53	D 1	466.52
		E 1	357.58
SKIRT REMOVAL PLANES		F 1	319.23
SR-1	466.97	G 1	257.45
SR-2	319.74	H 1	225.95
		L	129.48
NOZZLE HINGE PLANES			
N-1	770.03	M 1	225.95
N-2	477.32	N 1	215.95
N-3	327.33	L CTLI	119.46



Reference
STL Release 9862.6-513
(17 December 1962)

3.1 MISSILE NO. 688
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000213

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	C[illegible]C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.47	97.08	106.58	111.57	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.54	59.96	100.30	101.53	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.90		61.94	99.18	100.72	.008	.005
22	45	Interstage 2-3			63.64	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.40	145.47	105.91	110.29	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.92	68.01	99.71	101.36	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	200.15		69.66	98.85	100.76	.028	.018
37	47	Interstage 1-2			130.13	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.75	224.60	110.21	117.33	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.67	68.50	100.99	101.04	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.54					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	287.05						

* Boeing Section Stations (See Missile Station Diagram)

3.2 MISSILE NO. 690
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000207

REPORT NO. A
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.05	59.74	100.14	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.41		61.62	98.97	100.64	.008	.005
22	45	Interstage 2-3			63.98	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.55	145.68	105.88	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.06	67.59	99.44	101.61	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.29		69.15	98.51	101.05	.028	.018
37	47	Interstage 1-2			129.04	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.35	224.01	110.28	117.44	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.17	68.38	100.84	101.01	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.82					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.70						

* Boeing Section Stations (See Missile Station Diagram)

3.3 MISSILE NO. 693
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000214

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10^{-3} ROLL	INERTIA SLUG FT^{2}x10^{-3} PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.68	97.48	106.50	111.44	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.27	60.08	100.28	101.39	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.63		62.11	99.15	100.52	.008	.005
22	45	Interstage 2-3			63.46	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.25	145.25	105.94	110.38	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			245.33	67.53	99.68	101.47	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	200.56		69.06	98.81	100.90	.028	.018
37	47	Interstage 1-2			130.37	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.26	223.87	110.29	117.46	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.22	68.34	100.74	101.11	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			969.86					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	287.19						

* Boeing Section Stations (See Missile Station Diagram)

3.4 MISSILE NO. 695
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000356

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.27	59.96	100.23	101.42	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.59		61.93	99.10	100.57	.008	.005
22	45	Interstage 2-3			64.10	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.49	145.60	105.90	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			245.05	67.53	99.59	101.55	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	200.28		69.06	98.70	100.99	.028	.018
37	47	Interstage 1-2			130.20	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.53	248.28	110.25	117.39	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.02	68.43	100.85	101.06	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			962.24					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	287.87						

* Boeing Section Stations (See Missile Station Diagram)

3.5 MISSILE NO. 697
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000208

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.62	97.37	106.53	111.48	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.72	59.90	100.15	101.55	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.08		61.86	98.97	100.74	.008	.005
22	45	Interstage 2-3			63.76	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.29	145.31	105.93	110.32	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.95	67.43	99.55	101.63	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	200.18		68.94	98.66	101.09	.028	.018
37	47	Interstage 1-2			130.15	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.26	223.87	110.29	117.46	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.62	68.31	100.82	101.89	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			694.39					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	287.26						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.6 MISSILE NO. 700
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 000021.5

REPORT NO. _____

DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.62	97.37	106.53	111.48	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.63	59.80	100.27	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.99		61.72	99.15	100.65	.008	.005
22	45	Interstage 2-3			63.70	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.45	145.54	105.90	110.27	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.54	67.62	99.58	101.47	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.77		69.18	98.69	100.89	.028	.018
37	47	Interstage 1-2			129.91	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.53	224.28	110.25	117.39	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			288.47	68.54	100.75	101.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.78	.009	.006
48		MISSILE			961.87					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.76						

* Boeing Section Stations (See Missile Station Diagram)

3.7 MISSILE NO. 702
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000209

REPORT NO. _____
DATE

LIN	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.61	97.35	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.08	59.83	100.32	101.43	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.44		61.75	99.22	100.59	.008	.005
22	45	Interstage 2-3			64.00	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.39	145.45	105.91	110.29	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.10	67.70	99.38	101.55	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.[illegible]		69.28	98.44	100.98	.028	.018
37	47	Interstage 1-2			129.65	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.22	223.81	110.30	117.47	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			288.42	68.37	100.70	101.08	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			961.49					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.77						

* Boeing Section Stations (See Missile Station Diagram)

3.8 MISSILE NO. 704
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000216

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.54	97.21	106.55	111.53	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.14	59.94	100.24	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.59		61.90	99.11	100.64	.008	.005
22	45	Interstage 2-3			64.04	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.68	145.87	105.86	110.20	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.34	67.53	99.33	101.57	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.57		69.08	98.37	101.00	.028	.018
37	47	Interstage 1-2			128.61	95.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.64	224.44	110.23	117.36	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.97	68.55	100.73	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.98					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.07						

* Boeing Section Stations (See Missile Station Diagram)

3.9 MISSILE NO. 706
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000232

REPORT NO. _____
DATE _____

LINE	STA.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.66	59.87	100.32	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.02		61.81	99.21	100.65	.008	.005
22	45	Interstage 2-3			63.72	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.50	145.61	105.89	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			241.83	67.46	99.54	101.53	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.06		69.00	98.63	100.96	.038	.018
37	47	Interstage 1-2			128.32	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.65	224.45	110.23	117.35	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.79	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.82	68.60	100.81	100.99	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.12					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.08						

* Boeing Section Stations (See Missile Station Diagram)

3.10 MISSILE NO. 707
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000210

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
			Aero							
7		C&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.61	97.35	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.39	59.87	100.27	101.47	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.75		61.82	99.13	100.64	.008	.005
22	45	Interstage 2-3			63.54	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.53	145.65	105.89	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.82	67.52	99.61	101.58	.032	.028
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.05		69.06	98.72	101.02	.028	.018
37	47	Interstage 1-2			129.48	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.60	224.38	110.24	117.37	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.47	68.57	100.89	100.98	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			961.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.80						

* Boeing Section Stations (See Missile Station Diagram)

3.11 MISSILE NO. 709
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000217

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	C&S Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.54	97.21	106.55	111.53	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.15	59.86	100.18	103.50	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.51		61.81	99.00	100.67	.008	.005
22	45	Interstage 2-3			63.38	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.52	145.64	105.89	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.28	67.49	99.53	101.53	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.00"	0
36			Jett	198.51		69.03	98.62	100.97	.028	.018
37	47	Interstage 1-2			129.17	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.94	224.88	110.18	117.26	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.17	68.42	100.64	101.25	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.17					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.02						

* Boeing Section Stations (See Missile Station Diagram)

3.12 MISSILE NO. 711
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000221

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	C&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.12	59.76	100.25	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.48		61.68	99.11	100.65	.008	.005
22	45	Interstage 2-3			63.36	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.56	145.70	105.88	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.00	67.54	99.74	101.50	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.23		69.03	98.88	100.93	.028	.018
37	47	Interstage 1-2			129.00	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.51	224.25	110.25	117.39	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.47	68.41	100.74	101.00	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.64					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.71						

* Boeing Section Stations (See Missile Station Diagram)

3.13 MISSILE NO. 712
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000218

REPORT NO. _____
DATE _____

LINE	SEQ.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.70	97.52	106.50	111.43	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.63	59.82	100.15	101.51	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.99		61.75	98.98	100.68	.008	.005
22	45	Interstage 2-3			63.70	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.44	145.52	105.90	110.27	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.12	67.57	99.48	101.45	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.35		69.12	98.56	100.86	.023	.018
37	47	Interstage 1-2			129.08	96.61	100.75	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			62.96	223.42	110.34	117.54	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.82	68.40	110.87	101.05	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			961.47					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.34						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

MISSILE NO. 714
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000222

REPORT NO. ______________
DATE

LINE	ITEM	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTGI Section								
5			Silo							
6			Aero							
7	[illegible]	[illegible] Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.67	97.46	106.51	111.45	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131:00	100.00	100.00	0	0
14	45	Interstage 2-3			119.06	59.98	100.25	101.43	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18		Jettisoned Portion	Silo	1.92		61.11	101.01	101.74	0	0
19			Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	86.42		61.98	99.11	100.57	.008	.005
22	45	Interstage 2-3			63.32	[illegible]	99.50	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.58	[illegible]	105.83	110.83	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			[illegible]	.53		99.62	112.30	121.20	0	0
28			[illegible]	1.80		189.25	100.00	100.00	0	0
29	[illegible]	Interstage 1-2			[illegible]	[illegible]	99.34	101.59	.032	[illegible]
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33		Jettisoned Portion	Silo	4.21		66.61	100.32	100.55	.001	0
34			Aero	7.56		66.87	100.10	100.17	.001	[illegible]
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	[illegible]		[illegible]	[illegible]	101.03	[illegible]	.010
37	47	Interstage 1-2			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.16	[illegible]	[illegible]	117.49	.004	[illegible]
41			Silo	2.89		190.41	111.84	120.45	0	[illegible]
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.17	[illegible]	[illegible]	101.14	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	[illegible]	.006
48		MISSILE			959.73					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.12						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.15 MISSILE NO. 716
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000219

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	[illegible]	C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.12	59.81	100.28	101.46	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.48		61.75	99.15	100.61	.008	.005
22	45	Interstage 2-3			63.36	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.49	145.60	105.90	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.79	67.69	99.54	101.56	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.02		69.27	98.63	100.99	.026	.018
37	47	Interstage 1-2			129.46	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.39	224.07	110.27	117.43	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			291.47	68.45	100.81	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			962.70					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.50						

* Docing Section Stations (See Missile Station Diagram)

3.16 MISSILE NO. 718
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000357

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.67	97.46	106.51	111.45	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.18	59.69	100.27	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.54		61.59	99.13	100.64	.008	.005
22	45	Interstage 2-3			63.40	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.67	145.86	105.86	110.20	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.25	67.41	99.72	101.47	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.23		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.48		68.93	98.86	100.89	.028	.018
37	47	Interstage 1-2			129.15	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.55	224.31	110.24	117.38	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			288.57	68.49	100.84	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			959.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.02						

* Boeing Section Stations (See Missile Station Diagram)

3.17 MISSILE NO. 719
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000223

REPORT NO. _____
DATE _____

ITEM	SEQ.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT^{2}x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.69	97.50	106.50	111.44	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.36	59.91	100.36	101.60	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.72		61.83	99.15	100.68	.008	.005
22	45	Interstage 2-3			63.52	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.45	145.54	105.90	110.27	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.82	67.49	99.46	101.51	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.05		69.03	98.54	100.93	.028	.018
37	47	Interstage 1-2			129.48	96.61	100.76	99.70	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.91	224.84	110.19	117.20	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.17	68.59	100.84	101.12	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			961.42					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.77						

* Boeing Section Stations (See Missile Station Diagram)

3.18 MISSILE NO. 720
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000220

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.61	97.35	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.33	59.78	100.27	101.46	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.69		61.70	99.13	100.61	.008	.005
22	45	Interstage 2-3			63.50	80.64	99.30	101.39	.006	.008
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.73	145.94	105.85	110.18	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.76	67.60	99.66	101.50	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.99		69.16	98.79	100.92	.023	.018
37	47	Interstage 1-2			129.44	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.45	224.16	110.26	117.43	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			288.87	68.42	100.62	101.84	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.71					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.68						

* Boeing Section Stations (See Missile Station Diagram)

3.19 MISSILE NO. 721
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000224

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.51	59.80	100.27	101.36	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.87		61.73	99.15	100.48	.008	.005
22	45	Interstage 2-3			63.62	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.61	145.77	105.87	110.22	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.46	67.51	99.58	101.50	.032	.022
30		(Fwd) **	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.69		69.05	98.69	100.92	.28	.018
37	47	Interstage 1-2			129.27	96.61	100.76	99.76	.024	.014
38		(Aft) **	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.61	224.39	100.23	117.37	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.37	68.49	100.93	101.03	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			962.07					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	235.56						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

** Average weight of interstage used. Report will be revised to reflect actual weight when data is available.

3.20 MISSILE NO. 722
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000346

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.71	97.54	106.49	111.43	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.39	59.82	100.25	101.38	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.75		61.75	99.11	100.51	.008	.005
22	45	Interstage 2-3			63.54	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.49	145.60	105.90	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.25	67.34	99.51	101.45	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.48		68.84	98.60	100.86	.028	.018
37	47	Interstage 1-2			129.15	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.68	224.50	110.22	117.35	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.07	63.49	100.93	100.94	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			961.30					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.23						

* Boeing Section Stations (See Missile Station Diagram)

3.21 MISSILE NO. 723
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000235

REPORT NO. _____
DATE _____

LINE	STA.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.53	97.19	106.56	111.54	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.33	59.72	100.08	101.41	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.69		61.61	98.88	100.54	.008	.005
22	45	Interstage 2-3			63.50	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.59	145.74	105.83	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.35	67.59	99.68	101.52	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.58		69.14	98.81	100.95	.023	.018
37	47	Interstage 1-2			129.80	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.56	204.32	110.24	117.38	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.02	65.49	101.03	101.01	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			962.70					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	205.27						

* Boeing Section Stations (See Missile Station Diagram)

3.2.2 MISSILE NO. 724
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000225

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT^{2}x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.55	97.23	103.55	111.52	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.27	59.72	100.22	101.39	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.63		63.61	99.08	100.52	.008	.005
22	45	Interstage 2-3			63.46	80.04	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.44	145.52	105.90	110.27	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.94	67.63	99.65	101.40	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.17		69.19	98.76	100.61	.023	.018
37	47	Interstage 1-2			129.56	96.63	100.73	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.43	224.13	110.26	117.41	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.02	68.53	100.82	101.12	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			989.69					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	885.80						

* Boeing Section Stations (See Missile Station Diagram)

3.23 MISSILE NO. 725
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000236

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.73	97.58	106.49	111.41	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.33	59.80	100.12	101.50	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.69		61.73	98.94	100.66	.008	.005
22	45	Interstage 2-3			63.50	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.53	145.65	105.89	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.00	67.28	99.58	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.23		63.78	98.69	100.97	.028	.018
37	47	Interstage 1-2			129.00	93.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.88	224.79	110.19	117.29	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.52	68.51	100.99	100.99	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.51					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	204.92						

* Boeing Section Stations (See Missile Station Diagram)

3.24 MISSILE NO. 726
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000233

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT^{2}x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.54	97.21	106.55	111.53	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			118.79	59.69	100.14	101.32	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.15		61.59	98.95	100.41	.008	.005
22	45	Interstage 2-3			63.14	89.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		89.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.70	145.90	105.86	110.19	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.25	67.45	99.62	101.43	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.48		68.98	98.73	100.84	.029	.018
37	47	Interstage 1-2			129.15	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.41	204.10	110.27	117.42	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.67	63.44	100.97	101.05	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			959.67					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.63						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.25 MISSILE NO. 727
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000226

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT^{2}x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.70	97.52	106.50	111.43	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.27	59.84	100.24	101.43	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.63		61.78	99.09	100.57	.008	.005
22	45	Interstage 2-3			63.46	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.66	145.04	105.86	110.20	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.57	67.44	99.47	101.58	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.80		68.96	98.54	101.02	.028	.018
37	47	Interstage 1-2			129.33	96.61	100.76	99.76	.028	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.58	224.35	110.24	117.37	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			290.22	68.50	100.96	101.06	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			961.81					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.43						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.26 MISSILE NO. 728
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000245

REPORT NO. _____
DATE _____

LNS	STA	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT^{2}x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.73	97.58	106.49	111.41	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.39	59.82	100.12	101.55	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.75		61.75	98.94	100.74	.008	.005
22	45	Interstage 2-3			63.54	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			31.85	144.65	105.01	110.46	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.63	87.18	99.57	101.56	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.86		68.84	98.67	100.99	.028	.018
37	47	Interstage 1-2			129.37	96.61	100.76	102.10	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.12	223.65	110.31	117.50	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.27	63.44	100.73	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			959.92					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	265.61						

* Boeing Section Stations (See Missile Station Diagram)

3.27 MISSILE NO. 729
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000237

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	NV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	CTC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.55	97.23	106.55	111.52	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.00	59.81	100.18	101.42	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.36		61.75	99.00	100.56	.008	.005
22	45	Interstage 2-3			63.28	80.64	99.30	101.30	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.36	145.41	105.92	110.30	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.38	67.28	99.38	101.56	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.61		68.76	98.44	101.00	.028	.018
37	42	Interstage 1-2			129.22	96.61	102.70	104.10	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.88	224.79	110.19	117.20	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.02	68.51	100.84	103.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			956.71					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.97						

* Boeing Section Stations (See Missile Station Diagram)

3.20 MISSILE NO. 730
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000246

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.58	97.29	106.54	111.51	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.27	59.91	100.27	101.37	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	85.63		61.88	99.13	100.48	.008	.005
22	45	Interstage 2-3			63.46	80.04	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.39	106.45	105.91	110.29	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.53	67.38	99.54	101.51	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.76		63.80	98.63	100.03	.024	.018
37	47	Interstage 1-2			29.32	98.61	100.76	98.96	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.46	224.33	110.25	117.41	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.17	68.52	100.75	101.89	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.80					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.39						

* Boeing Section Stations (See Missile Station Diagram)

MISSILE NO. 732
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N C

REPORT NO.

DATE

ITEM	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	LAT.	VERT.	INERTIA SLUG FT2x10-3 ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.69	97.50	105.50	111.44	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			[illegible]	60.06	100.11	101.51	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	[illegible]		[illegible]	98.87	100.68	.008	.005
22	45	Interstage 2-3			[illegible]	[illegible]	[illegible]	100.39	.005	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.50	[illegible]	105.69	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			253.76	87.47	99.56	101.55	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.99		[illegible]	98.87	100.98	.028	.018
37	47	Interstage 1-2			329.44	[illegible]	[illegible]	[illegible]	.004	.014
38		(Aft)	Silo	3.37		96.69	100.38	100.59	.001	0
39			Aero	3.41		97.71	103.98	103.40	.001	0
40	48	1st Stage Engine			63.55	[illegible]	[illegible]	117.38	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			[illegible]	[illegible]	[illegible]	[illegible]	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			[illegible]					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	205.17						

* Boeing Section Stations (See Missile Station Diagram)

3.30 MISSILE NO. 733
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 000247

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.58	97.29	106.54	111.51	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.09	59.73	100.09	101.46	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	66.46		61.63	98.88	100.61	.008	.005
22	45	Interstage 2-3			63.34	79.84	99.80	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.49	145.60	105.90	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.47	67.39	99.36	101.53	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.70		69.91	98.41	100.97	.003	.018
37	47	Interstage 1-2			29.28	95.64	100.76	97.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine							.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.92	68.[illegible]	100.80	101.26	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.78					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.15						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

S-31 MISSILE NO. 734
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0200238

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	GFC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.61	97.35	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.78	59.78	100.13	101.49	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.14		61.69	98.95	100.65	.008	.005
22	45	Interstage 2-3			63.80	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.44	145.52	105.90	110.27	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.65	67.41	99.22	101.55	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.89		69.93	98.24	100.03	.018	.018
37	47	Interstage 1-2			129.39	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			62.88	283.30	110.35	117.57	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.32	63.96	100.02	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.90					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.03						

* Docing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.32 MISSILE NO. 735
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000228

REPORT NO. _____
DATE _____

LINE	STA.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.52	97.17	106.56	111.54	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.12	59.84	100.20	101.58	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.40		63.80	99.04	100.77	.008	.005
22	45	Interstage 2-3			63.36	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.57	103.71	105.83	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			241.70	67.53	99.34	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	196.93		69.08	98.75	100.97	.028	.018
37	47	Interstage 1-2			126.25	96.61	100.76	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.62	224.41	110.23	117.96	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.42	68.40	100.82	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.53					
49				32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	283.41						

* Boeing Section Stations (See Missile Station Diagram)

3.33 MISSILE NO. 736
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000248

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.27	59.75	100.11	101.53	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.63		61.66	98.91	100.72	.008	.005
22	45	Interstage 2-3			63.46	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.62	145.73	105.87	1[illegible].32	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			241.83	67.56	99.56	101.50	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.06		69.12	98.65	100.92	.028	.018
37	47	Interstage 1-2			128.32	95.58	100.75	99.76	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.00	99.48	110.33	117.53	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.62	68.41	100.50	101.02	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			958.74					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	686.69						

* Boeing Section Stations (See Missile Station Diagram)

3.34 MISSILE NO. 737
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000229

REPORT NO. _____
DATE

LINE	STA	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			118.79	59.85	100.19	101.51	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.15		61.81	99.01	100.68	.008	.005
22	45	Interstage 2-3			63.14	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.47	145.57	105.90	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.97	67.15	99.72	101.65	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.20		68.61	98.06	101.11	.018	.018
37	47	Interstage 1-2			128.98	96.62	100.76	91.50	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.35	224.01	110.23	117.44	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.97	68.32	100.64	100.05	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			956.29					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	894.35						

* Boeing Section Stations (See Missile Station Diagram)

3.35 MISSILE NO. 738
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000239

REPORT NO. _____
DATE _____

LINE	STA.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			18.61	97.35	106.53	111.49	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.33	59.72	100.06	101.41	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.69		61.61	98.85	100.54	.008	.005
22	45	Interstage 2-3			63.50	85.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.58	145.73	105.83	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.94	67.48	99.51	101.69	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.17		69.01	98.60	101.16	.028	.018
37	47	Interstage 1-2			129.56	96.61	100.76	99.70	.004	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			63.87	224.76	110.19	117.29	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.47	68.46	100.88	101.02	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			958.88					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	835.85						

* Boeing Section Stations (See Missile Station Diagram)

3.36 WEIGHT AND BALANCE SUMMARY
MEAN WEIGHT COMPONENTS**
(APPLICABLE TO ALL MISSILES)

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	43	G&C Section			1.02	80.94	100.00	100.00		
8			Silo							
9			Aero							
10	44	3rd Stage Engine			12.71	80.65	109.56	116.82		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3			18.57	59.49	105.24	107.52		
15		(Fwd)	Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned	Aero							
20		Portion	Base							
21			Jett	7.68		61.44	100.06	103.80		
22	45	Interstage 2-3			7.61	80.79	98.29	96.54		
23		(Aft)	Silo							
24			Aero							
25	46	2nd Stage Engine			16.89	102.11	111.34	119.73		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2			22.14	66.13	105.62	111.67		
30		(Fwd)	Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned	Aero							
35		Portion	Base							
36			Jett	9.35		68.33	96.79	109.80		
37	47	Interstage 1-2			8.56	91.01	100.68	97.51		
38		(Aft)	Silo							
39			Aero							
40	48	1st Stage Engine			38.09	161.19	117.09	129.00		
41			Silo							
42			Aero							
43			Base							
44	49	Skirt			14.47	62.87	106.84	110.70		
45			Silo							
46			Aero							
47			Base							
48		MISSILE			140.06					
49			Silo							
50			Aero							
51			Base							
52			Jett							

* Boeing Section Stations (See Missile Diagram)

2-5550-0-58

** Boeing 2707 Fax details of these items.

2-5550-0-21

CHECK LIST NO. _____

DATE _____

4.0 SUMMARY MISSILE WEIGHING CHECK LIST

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-4

RECORD OF CHECKING (DATE)

	COMPONENT					MISSILE	
Mo							
Day							
Yr							

SECTION A11 MISSILE NO. 683-730

MISSILE COMPONENT _____ COMPONENT PART NO. _____

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED		REMOTE SITE SHIPMENT	AS RECEIVED REMOTE SITE	AS WEIGHED REMOTE SITE	LAUNCH

SUMMARY CHECK LISTS FOR SECTIONS 42 THROUGH 49 ARE IDENTICAL TO THOSE FOUND IN D2-13946-3 PAGES 20 THROUGH 26.

5.0 ENGINEERING CHANGE PROPOSAL (ECP) INCORPORATION APPLICABLE TO WING II MISSILES 008-738

The following ECP's have not been incorporated into "Model Specification, Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963. However, the mass properties of these ECP's have been incorporated into this report unless otherwise noted. ECP's applicable to the CTLI components will be found in D2-13943-2, "Flight Article Mass Properties for CTLI Installations".

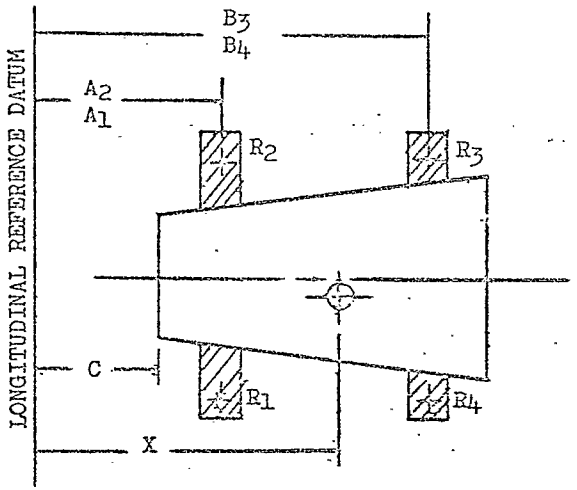
All changes incorporated in components at time of delivery to Plant 77 have been incorporated in the Model Specification.

2-7824-0-16

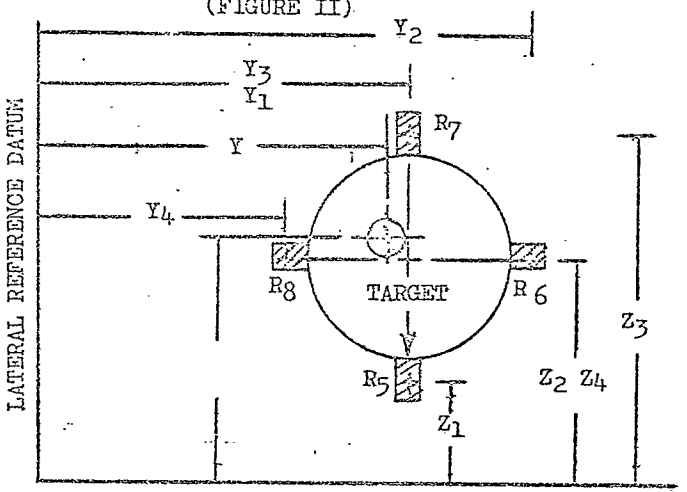
SERIAL NUMBER: 0000207 — 6.1.1 ACTUAL WEIGHT RECORD - INTERSTAGE 2-3 — WING

U/O MISSILE 600	DRAWING NO. 25-36103-1	CHECK LIST NO. 5	REPORT NO. OPR-2079
MISSILE MODEL WS-133	DCN New	REPORTED BY TV/JH/HC	PAGE NO.
CONFIGURATION TAH	ADCN 12	CHECKED BY GVR	DATE 3/28/63

(FIGURE I)



(FIGURE II)



WEIGHING DATA

REACTION	GR. WT.	TARE	CORR.	NET WT.	REACTION	GR. WT.	TARE	CORR.	NET WT.
R1	152.35	112.45		39.90	R5	103.50	46.45		57.05
R2	65.25	23.80		41.45	R6	39.30	18.15		21.15
R3	149.60	111.65		37.95	R7	108.60	46.05		62.55
R4	62.05	23.50		38.55	R8	32.70	15.65		17.16
TOTAL	429.25	271.40		157.85	TOTAL	284.15	126.30		157.85

DIMENSIONAL DATA

DIM.	INCHES	DIM.	INCHES	DIM.	INCHES
A1	47.343	Z1	100.000	Y1	72.500
A2	47.354	Z2	72.501	Y2	100.000
B3	88.351	Z3	100.000	Y3	127.498
B4	88.351	Z4	127.499	Y4	100.000
C	50.000				

LONGITUDINAL C.G.

REACTION	NET WT.	ARM	MOMENT
R1	39.90	47.343	
R2	41.45	47.354	
R3	37.95	88.351	
R4	38.55	88.351	
AS WGD	157.85	67.22	10,610.7

LATERAL C.G.

REACTION	NET WT.	ARM	MOMENT
R5	57.05	100.000	
R6	21.15	72.501	
R7	62.55	100.000	
R8	17.10	127.499	
AS WGD	157.85	99.29	15,673.6

VERTICAL C.G.

REACTION	NET WT.	ARM	MOMENT
R5	57.05	72.500	
R6	21.15	100.000	
R7	62.55	127.498	
R8	17.10	100.000	
AS WGD	157.85	100.97	15,936.1

BOEING D2-13946-5

Fig "A" Number: 6501 Serial Number: 0000207

CHECK LIST NO. 5

DATE

6.1.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

RECORD OF CHECKING (DATE)							
Mo		3					
Day		28					
Yr		63					

SECTION 45 MISSILE NO. 690

MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	BODY SECTION ASSY	25-36103-1					-					
	Interstage Assy- Structural	25-36102-1					x	x				
	Cork Insulation Installation	25-37084-1					x	x				
	Instr Rack & Accelerometer	25-31659-4					x	x				
	Marking Instl- Section 45	25-30134-28					x	x				
	Cover- Insulating	29-24652-2					x	x				
	Cover- Insulating	29-25598-1					x	x				
	Cover- Insulating (8)	29-23365-1					x	x				
	Cover- Insulating (8)	29-23365-2					x	x				
	Cover- Insulating (7)	29-23365-3					x	x				
	Cover- Insulating (4)	29-23365-4					x	x				
	Cover- Insulating	29-23365-5					x	x				
	Cover- Insulating (4)	29-23365-6					x	x				
	Seal- Forward (2)	29-23674-1					x	x				
	Door- Access, Ordnance (3)	29-22673-3					x	x				
	Closure Panel- Access, Ordnance	29-22672-2					x	x				
	Door- Access, Ignitor Stage II	29-22361-4					x	x				
	Closure Panel- Access, Booster Skirt	29-22081-5					x	x				
	Door- Access, Detonator	26-11878-1					x	x				
	Door- Access, Ignitor Stage III	26-11885-4					x	x				
	Door- Access, CTLT	26-12909-1					x	x				
	Plug- Screw, Insulated (2)	26-15247-2					x	x				
	Sleeve	26-14713-1					x	x				
	Bolt - 100° Head (6)	BACB30EM-3-3					x	x				
	Bolt - 100° Head (4)	-3-4					x	x				
	Bolt - 100° Head (14)	-4-6					x	x				
	Bolt - 100° Head (8)	-4-7					x	x				
	Bolt - 100° Head (41)	-4-10					x	x				
	Bolt - 100° Head (3)	-5-3					x	x				

2-5550-0-21

NO. D2-13946-5

Fig. "A" Number: 6501 Serial Number: 0000207

CHECK LIST NO. 5

DATE

6.1.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

RECORD OF CHECKING (DATE)

Mo		3					
Day		25					
Yr		63					

SECTION 45 MISSILE NO. 690

MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	BODY SECTION ASSY (CONTINUED)						-					
	Bolt - 100° Head (6)	BACB30FM-4-4					X	X				
	Bolt - 100° Head (3)	-4-5					X	X				
	Bolt - 100° Head (2)	-4-12					X	X				
	Insulation	EMS 5-12					X	X				
	Fwd. Ring						X	X				

2-5550-0-21

NO. D2-13946-5

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6.1.1 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CPR-2079
COMPONENT	INTERSTAGES 2-3	LOT NO.		DATE	3/28/63
MODEL NO.	MS-133	DRAWING NO.	25-36103-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000207	U.O. MISSILE	690	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (Weighed)	157.85	67.22	10,610.7	99.29	15,673.6	100.97	15,936.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.85	67.22	10,610.7	99.29	15,673.6	100.97	15,936.1
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

6.1.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OER-2082
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/2/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	00[illegible]08	U.O. MISSILE	697	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.[illegible]0	67.35	10,594.9	99.29	15,618.6	101.02	15,890.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.[illegible]	67.35	10,594.9	99.29	15,618.6	101.02	15,890.8
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

6.1.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CPR-2084
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	1/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0003-09	U.O. MISSILE	702	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANC.						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.90	67.29	10,625.4	99.43	15,699.3	100.94	15,938.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.90	67.29	10,625.4	99.43	15,699.3	100.94	15,938.4
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

6.1.4 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2087
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000210	U.O. MISSILE	707	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.75	67.32	10,552.5	99.38	15,577.4	100.96	15,826.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.75	67.32	10,552.5	99.38	15,577.4	100.96	15,826.2
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

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6.1.5 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2078
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	3/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000213	U.O. MISSILE	688	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.00	67.39	10,580.6	99.41	15,607.9	101.01	15,858.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.00	67.39	10,580.6	99.41	15,607.9	101.01	15,858.0
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

2-5550-0-11 R1

6.1.6 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2080
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	W. BAIRD
SERIAL NO.	0000214	U.O. MISSILE	693	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.55	67.48	10,563.5	99.39	15,558.8	100.90	15,796.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.55	67.48	10,563.5	99.39	15,558.8	100.90	15,796.6
12									
13									
14									
15									
16									
17									
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6.1.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2083
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000215	U.O. MISSILE	700	APPROVED	G. ROBERTS

ENT	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.15	67.27	10,571.4	99.39	15,618.8	100.97	15,867.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.15	67.27	10,571.4	99.39	15,618.8	100.97	15,867.5
12									
13									
14									
15									
16									
17									
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6.1.8 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2085
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/8/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000216	U.O. MISSILE	704	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	158.00	67.38	10,646.5	99.37	15,701.0	100.97	15,953.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	158.00	67.38	10,646.5	99.37	15,701.0	100.97	15,953.9
12									
13									
14									
15									
16									
17									
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6.1.9 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2088
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/10/63
MODEL NO.	WS-133	DRAWING NO	25-36103-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000217	U.O. MISSI	709	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.35	67.31	10,523.2	99.31	15,527.8	100.98	15,787.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.35	67.31	10,523.2	99.31	15,527.8	100.98	15,787.5
12									
13									
14									
15									
16									
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6.1.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2090
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4-16-63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	J. HILL
SERIAL NO.	0000218	U.O. MISSILE	712	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.15	67.28	10,573.5	99.30	15,605.0	100.99	15,870.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.15	67.28	10,573.5	99.30	15,605.0	100.99	15,870.3
12									
13									
14									
15									
16									
17									
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6.1.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2092
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000219	U.O. MISSILE	716	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.30	67.27	10,514.7	99.39	15,535.1	100.95	15,779.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.30	67.27	10,514.7	99.39	15,535.1	100.95	15,779.8
12									
13									
14									
15									
16									
17									
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6.1.12 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OER-2095
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/22/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000220	U.O. MISSILE	720	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.65	67.25	10,535.4	99.38	15,567.4	100.95	15,813.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.25	10,535.4	99.38	15,567.4	100.95	15,813.4
12									
13									
14									
15									
16									
17									
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6.1.13 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2089
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000221	U.O. MISSILE	711	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.30	67.23	10,508.5	99.37	15,531.0	100.97	15,781.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.30	67.23	10,508.5	99.37	15,531.0	100.97	15,781.1
12									
13									
14									
15									
16									
17									
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6.1.14 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2091
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4-18-63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	T. VOGEL
SERIAL NO.	0000222	U.O. MISSILE	714	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.20	67.40	10,523.4	99.37	15,521.0	100.93	15,756.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.20	67.40	10,528.4	99.37	15,521.0	100.93	15,756.7
12									
13									
14									
15									
16									
17									
18									
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6.1.15 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2094
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	W. BAIRD
SERIAL NO.	0000223	U.O. MISSILE	719	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.70	67.35	10,554.1	99.39	15,575.1	100.99	15,825.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.70	67.35	10,554.1	99.39	15,575.1	100.99	15,825.3
12									
13									
14									
15									
16									
17									
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6.1.16 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-04[illegible]	REPORT NO.	OPR-2096
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. HOLCOMB
SERIAL NO.	0000224	U.O. MISSILE	721	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.95	67.27	10,557.8	99.39	15,598.8	100.88	15,833.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.95	67.27	10,557.8	99.39	15,598.8	100.88	15,833.8
12									
13									
14									
15									
16									
17									
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6.1.17 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2099
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000225	U.O. MISSILE	724	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.55	67.20	10,520.4	99.35	15,553.3	100.90	15,796.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.55	67.20	10,520.4	99.35	15,553.3	100.90	15,796.5
12									
13									
14									
15									
16									
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6.1.18 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2102
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/29/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000226	U.O. MISSILE	727	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.55	67.29	10,534.7	99.36	15,554.6	100.93	15,800.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.55	67.29	10,534.7	99.36	15,554.6	100.93	15,800.6
12									
13									
14									
15									
16									
17									
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6.1.19 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2106
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/30/63
MODEL NO.	WS-133A	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000227	U.O. MISSILE	732	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	155.80	67.46	10,509.5	99.26	15,464.5	100.99	15,733.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	155.80	67.46	10,509.5	99.26	15,464.5	100.99	15,733.9
12									
13									
14									
15									
16									
17									
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6.1.20 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2109
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	HOLCOMB
SERIAL NO.	0000228	U.O. MISSILE	735	APPROVED	O. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.30	67.30	10,518.8	99.33	15,525.5	101.04	15,792.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.30	67.30	10,518.8	99.33	15,525.5	101.04	15,792.2
12									
13									
14									
15									
16									
17									
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6.1.21

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2111
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]2/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000229	U.O. MISSILE	737	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	155.75	67.30	10,482.5	99.32	15,469.1	100.99	15,728.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	155.75	67.30	10,482.5	99.32	15,469.1	100.99	15,728.9
12									
13									
14									
15									
16									
17									
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6.1.22 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2006
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]/63
MODEL NO.	W3-133	DRAWING NO.	25-36103-1	PREPARED	M. CHRISTIANSEN
SERIAL NO.	0000232	U.O. MISSILE	706	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.20	67.32	10,582.0	99.43	15,630.6	100.97	15,872.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.20	67.32	10,582.0	99.43	15,630.6	100.97	15,872.5
12									
13									
14									
15									
16									
17									
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6.1.23 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2101
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	[illegible] HILL
SERIAL NO.	0000233	U.O. MISSILE	726	APPROVED	C. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	155.75	67.18	10,464.0	99.28	15,463.6	100.84	15,706.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	155.75	67.18	10,464.0	99.28	15,463.6	100.84	15,706.9
12									
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14									
15									
16									
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BOEING NO. D2-13946-5 PAGE 74

6.1.24 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	D2R-2208
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	7-24-63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	W. BLIND
SERIAL NO.	0000235	U.O. MISSILE	723	APPROVED	C. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.65	67.20	10,527.2	99.24	15,545.4	100.91	15,807.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.20	10,527.2	99.24	15,545.4	100.91	15,807.9
12									
13									
14									
15									
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6.1.25 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CTR-2100
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	W. BAIRD
SERIAL NO.	0000236	U.O. MISSILE	725	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.65	67.27	10,537.4	99.27	15,550.9	100.98	15,819.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.27	10,537.4	99.27	15,550.9	100.98	15,819.0
12									
13									
14									
15									
16									
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6.1.26 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	[illegible]
SERIAL NO.	0000237	U.O. MISSILE	729	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.10	67.27	10,501.1	99.31	15,502.8	100.92	15,752.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.10	67.27	10,501.1	99.31	15,502.8	100.92	15,752.9
12									
13									
14									
15									
16									
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6.1.27

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2108
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	4/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	W. BAIRD
SERIAL NO.	0000238	U.O. MISSILE	734	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.40	67.25	10,585.2	99.28	15,627.3	100.98	15,893.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.40	67.25	10,585.2	99.28	15,627.3	100.98	15,893.9
12									
13									
14									
15									
16									
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6.1.28 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]112
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	[illegible] HILL
SERIAL NO.	0000239	U.O. MISSILE	738	APPROVED	C. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.65	67.20	10,527.2	99.22	15,542.6	100.91	15,807.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.20	10,527.2	99.22	15,542.6	100.91	15,807.9
12									
13									
14									
15									
16									
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6.1.29

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2103
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]/15/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000245	U.O. MISSILE	728	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.75	67.28	10,546.2	99.27	15,560.9	101.02	15,834.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.75	67.28	10,546.2	99.27	15,560.9	101.02	15,834.4
12									
13									
14									
15									
16									
17									
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6.1.30 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-5105
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	A. DOLCOMB
SERIAL NO.	0000246	U.O. MISSILE	730	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.55	67.35	10,542.9	99.38	15,557.4	100.88	15,792.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.55	67.35	10,542.9	99.38	15,557.4	100.88	15,792.4
12									
13									
14									
15									
16									
17									
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BOEING

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6.1.31 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2107
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	[illegible]
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	[illegible]
SERIAL NO.	0000247	U.O. MISSILE	733	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.25	67.21	10,502.0	99.25	15,508.1	100.95	15,773.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.25	67.21	10,502.0	99.25	15,508.1	100.95	15,773.4
12									
13									
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6.1.32 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	D2-2110
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	2/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	W. BIRD
SERIAL NO.	0000248	U.O. MISSILE	736	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.55	67.23	10,524.5	99.26	15,539.5	101.01	15,813.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.55	67.23	10,524.5	99.26	15,539.5	101.01	15,813.0
12									
13									
14									
15									
16									
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2-5550-0-11 R1

6.1.33 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2097
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	1/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	[illegible] HILL
SERIAL NO.	0000346	U.O. MISSILE	722	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.75	67.28	10,546.2	99.37	15,576.0	100.89	15,813.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.75	67.28	10,546.2	99.37	15,576.0	100.89	15,813.8
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15									
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6.1.34

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR: BOEING
COMPONENT: INTERSTAGE 2-3
MODEL NO.: WS-133
SERIAL NO.: 0000356

CONTRACT NO.: AF04(694)-046
LOT NO.:
DRAWING NO.: 25-36103-1
U.O. MISSILE: 695

REPORT NO.: [illegible]-2081
DATE: 4/1/63
PREPARED: W. LUND
APPROVED: G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	158.15	67.40	10,659.7	99.36	15,713.3	100.93	15,962.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	158.15	67.40	10,659.7	99.36	15,713.3	100.93	15,962.0
12									
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15									
16									
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BOEING

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6.1.35 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OTR-2093
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9-10-63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	E. HOLCOMB
SERIAL NO.	0000357	U.O. MISSILE	718	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.40	67.18	10,507.1	99.38	15,542.4	100.96	15,789.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.40	67.18	10,507.1	99.38	15,542.4	100.96	15,789.8
12									
13									
14									
15									
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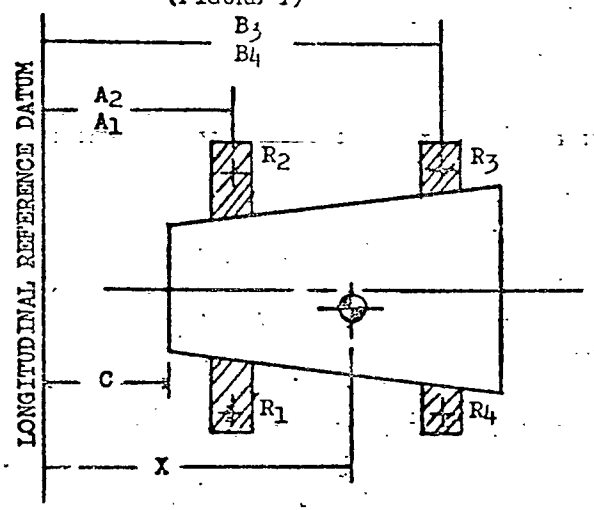
2-5550-0-77

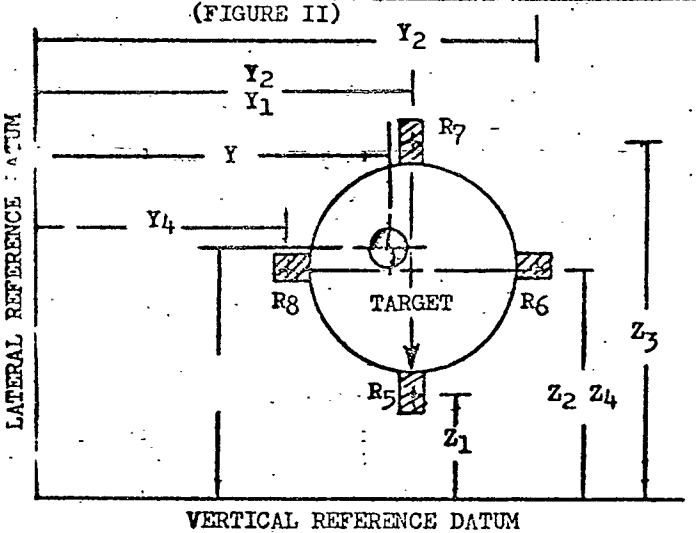
SERIAL NUMBER: 0000207 — 6.2.1 ACTUAL WEIGHT RECORD - INTERSTAGE 1-2

U/O MISSILE: 690	DRAWING NO. 25-27201-	CHECK LIST NO. 7	REPORT NO. OPR- 2079
MISSILE MODEL: WS-133	DCN C	REPORTED BY HC/JH/TV	PAGE NO.
CONFIGURATION: TAH	ADCN 15	CHECKED BY GVR	DATE 3/27/63

(FIGURE I)



(FIGURE II)



WEIGHING DATA

REACTION	GR. WT.	TARE	CORR.	NET WT.	REACTION	GR. WT.	TARE	CORR.	NET WT.
R1	293.75	200.70		93.05	R5	93.00	20.35		72.70
R2	109.10	25.75		83.35	R6	143.20	44.40		98.80
R3	269.40	183.40		86.00	R7	97.30	20.10		77.20
R4	87.90	8.90		79.00	R8	134.25	41.55		92.70
TOTAL	760.15	418.75		341.40	TOTAL	467.75	126.35		341.40

DIMENSIONAL DATA

DIM.	INCHES	DIM.	INCHES	DIM.	INCHES
A1	49.072	Z1	100.000	Y1	72.500
A2	49.070	Z2	72.501	Y2	100.000
B3	109.070	Z3	100.000	Y3	127.498
B4	109.070	Z4	127.499	Y4	100.000
C	50.000				

LONGITUDINAL C.G.

REACTION	NET WT.	ARM	MOMENT
R1	93.05	49.072	
R2	83.35	49.070	
R3	86.00	109.070	
R4	79.00	109.070	
AS WGD	341.40	78.07	26,65?.7

LATERAL C.G.

REACTION	NET WT.	ARM	MOMENT
R5	72.70	100.000	
R6	98.80	72.501	
R7	77.20	100.000	
R8	92.70	127.499	
AS WGD	341.40	99.51	33,972.3

VERTICAL C.G.

REACTION	NET WT	ARM	MOMENT
R5	72.70	72.500	
R6	98.80	100.000	
R7	77.20	127.498	
R8	92.70	100.000	
AS WGD	341.40	100.36	34,263.6

Fig. "A" Number: 6701 Serial Number: 0000207

CHECK LIST NO. 7

DATE

6.2.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

SECTION 47 MISSILE NO. 690

MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted

RECORD OF CHECKING (DATE)

Mo		3					
Day		27					
Yr		63					

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X-ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	BODY SECTION ASSY	25-36101-1					-	-				
	Interstage Assy-Structural	25-36100-1					x	x				
	Shield-Assy of, Insulated	25-36101-2					x	x				
	Shield-Time Delay, Booster	25-29544-1					x	x				
	Cork Insulation Instl-Exterior	25-37131-1					x	x				
	Plug-Access Hole	29-23663-1					x	x				
	Seal-Fwd Adapter Ring (2)	29-24180-1					x	x				
	Door-Access Stage Separation	26-11886-1					x	x				
	Door-Access, Booster	26-11888-1					x	x				
	Door Assy - Safe & Arm	29-20567-4					x	x				
	Closure Panel Ord. Access (117°)	29-28371-1					x	x				
	Door-Ordnance Access (4)	29-28391-1					x	x				
	Cover Panel Tie (4)	29-23654-1					x	x				
	Cover Panel Tie (4)	29-23654-2					x	x				
	Panel-Insulation	29-25565-1					x	x				
	Panel-Insulation	25-36383-1					x	x				
	Marking Instl	25-30134-29					x	x				
	Cover Receptacle	29-22725-1					x	x				
	Bolt - 100° Head	BACB30EM-3-8					x	x				
	Bolt - 100° Head (33)	-4-11					x	x				
	Bolt - 100° Head	-4-9					x	x				
	Bolt - 100° Head (6)	-4-5					x	x				
	Bolt - 100° Head (3)	-3-4					x	x				
	Bolt - 100° Head (4)	-3-3					x	x				
	Bolt - 100° Head (4)	-4-10					x	x				
	Bolt - 100° Head	-4-19					x	x				
	Bolt - 100° Head	-4-20					x	x				
	Bolt - 100° Head	-4L-9					x	x				
	Bolt - 100° Head	-4L-16					x	x				
	Bolt - 100° Head	-4-4					x	x				

Fig. "A" Number: 6701 Serial Number: 0000207

CHECK LIST NO. 7

DATE

6.2.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

RECORD OF CHECKING (DATE)							
Mo		3					
Day		27					
Yr		63					

SECTION 47 MISSILE NO. 690

MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT:	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	BODY SECTION ASSY (CONTINUED)						-	-					
	Bolt - 100° Head (14)	BACB30EM-4-6					x	x					
	Bolt - 100° Head (16)	BACB30EM-P4-4					x	x					
	Washer (22)	AN960-416L					x	x					
	Nut (6)	NAS679-A4W					x	x					
	Insulation	BMS 5-62					x	x					
	Fwd. Ring						x	x					

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BOEING

NO. D2-13946-5

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6.2.1 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2079
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	7/27/65
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	L. CHRISTENSEN
SERIAL NO.	0000207	U.O. MISSILE	690	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.40	78.07	26,652.7	99.51	33,972.3	100.36	34,263.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.40	78.07	26,652.7	99.51	33,972.3	100.36	34,263.6
12									
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14									
15									
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6.2.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2002
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	1/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	E. ST. ROMAIN
SERIAL NO.	0000208	U.O. MISSILE	697	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	344.40	77.96	26,850.9	99.59	34,299.8	100.38	34,571.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	344.40	77.96	26,850.9	99.59	34,299.8	100.38	34,571.8
12									
13									
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15									
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6.2.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. HOLCOMB
SERIAL NO.	0000209	U.O. MISSILE	702	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	343.05	78.15	26,808.7	99.47	34,122.1	100.32	34,414.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	343.05	78.15	26,808.7	99.47	34,122.1	100.32	34,414.8
12									
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15									
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6.2.4 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-46	REPORT NO.	OPR-2086
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000210	U.O. MISSILE	707	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.60	78.02	26,729.6	99.63	34,132.1	100.34	34,376.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.60	78.02	26,729.6	99.63	34,132.1	100.34	34,376.6
12									
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15									
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6.2.5 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-6073
COMPONENT	ITERSTAGE 1-2	LOT NO.		DATE	3 [illegible]/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	[illegible] CHRISTIANSEN
SERIAL NO.	0000213	U.O. MISSILE	688	APPROVED	[illegible] MORRIS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	344.35	78.37	26,986.4	99.70	34,333.3	100.19	34,502.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	344.35	78.37	26,986.4	99.70	34,333.3	100.19	34,502.1
12									
13									
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15									
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6.2.6 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2080
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	3/29/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. ST. [illegible]
SERIAL NO.	0000214	U.O. MISSILE	693	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	345.00	78.03	26,919.4	99.68	34,388.6	100.27	34,594.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	345.00	78.03	26,919.4	99.68	34,388.6	100.27	34,594.7
12									
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14									
15									
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6.2.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2083
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	8/25/63
MODEL NO.	-133	DRAWING NO.	25-36101-1	PREPARED	T. BAIRD
SERIAL NO.	0215	U.O. MISSILE	700	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	343.75	78.09	26,843.0	99.61	34,241.6	100.26	34,465.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	343.75	78.09	26,843.0	99.61	34,241.6	100.26	34,465.5
12									
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15									
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6.2.8 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-1385
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	[illegible]-63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	[illegible] CHRISTIANSEN
SERIAL NO.	0000216	U.O. MISSILE	704	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.25	78.02	26,545.3	99.43	33,832.5	100.33	34,136.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.25	78.02	26,545.3	99.43	33,832.5	100.33	34,136.2
12									
13									
14									
15									
16									
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6.2.9 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-3088
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	7/6/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000217	U.O. MISSILE	709	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.75	78.00	26,657.8	99.57	34,029.3	100.31	34,280.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.75	78.00	26,657.8	99.57	34,029.3	100.31	34,280.7
12									
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15									
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BOEING

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6.2.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2990
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	1/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000218	U.O. MISSILE	712	APPROVED	G. ROBERTS

ENT	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.50	78.05	26,654.6	99.54	33,991.9	100.25	34,233.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
T1	25-36101-1	Body Section (Complete)	341.50	78.05	26,654.6	99.54	33,991.9	100.25	34,233.7
12									
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14									
15									
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6.2.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OTR-2092
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000219	U.O. MISSILE	716	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.55	78.14	26,772.1	99.58	34,112.0	100.33	34,368.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.55	78.14	26,772.1	99.58	34,112.0	100.33	34,368.8
12									
13									
14									
15									
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6.2.12 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	CRP-2095
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4-19-63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000220	U.O. MISSILE	720	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.50	78.08	26,742.7	99.67	34,137.3	100.28	34,346.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.50	78.08	26,742.7	99.67	34,137.3	100.28	34,346.1
12									
13									
14									
15									
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6.2.13 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2089
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	5/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	W. BAIRD
SERIAL NO.	0000221	U.O. MISSILE	711	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.30	78.03	26,632.8	99.72	34,035.1	100.29	34,227.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	78.03	26,632.8	99.72	34,035.1	100.29	34,227.4
12									
13									
14									
15									
16									
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6.2.14 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OBR-2091
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4-12-63
MODEL NO.	MS-133	DRAWING NO.	25-36101-1	PREPARED	T. VOGEL
SERIAL NO.	0000222	U.O. MISSILE	714	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.05	77.92	26,651.6	99.44	34,013.9	100.35	34,325.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.05	77.92	26,651.6	99.44	34,013.9	100.35	34,325.7
12									
13									
14									
15									
16									
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6.2.15 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPP-2094
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4-18-63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	T. VOGEL
SERIAL NO.	0000223	U.O. MISSILE	719	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-30101-1	Body Section (As Weighed)	342.60	78.00	26,732.5	99.53	34,097.8	100.29	34,358.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-30101-1	Body Section (Complete)	342.60	78.00	26,732.5	99.53	34,097.8	100.29	34,358.8
12									
13									
14									
15									
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2-5550-0-11 R1

6.2.16 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	
SERIAL NO.	0000224	U.O. MISSILE	721	APPROVED	

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
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9									
10		DATA TO BE ADDED LATER							
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2-5550-0-11 R1

6.2.17 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2029
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	W. BAIRD
SERIAL NO.	0000225	U.O. MISSILE	724	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.80	78.10	26,772.3	99.66	34,161.8	100.22	34,356.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.80	78.10	26,772.3	99.66	34,161.8	100.22	34,356.8
12									
13									
14									
15									
16									
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2-5550-0-11 R1

6.2.18

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2102
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	5/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. HOLCOMB
SERIAL NO.	0000226	U.O. MISSILE	727	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	342.20	77.96	26,676.9	99.53	34,059.1	100.34	34,336.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	342.20	77.96	26,676.9	99.53	34,059.1	100.34	34,336.7
12									
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2-5550-0-11 R1

6.2.19 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2106
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000227	U.O. MISSILE	732	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.50	77.98	26,706.6	99.60	34,113.9	100.32	34,361.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.50	77.98	26,706.6	99.60	34,113.9	100.32	34,361.1
12									
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14									
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2-5550-0-11 R1

6.2.20 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	GPR-2109
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	5/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000228	U.O. MISSILE	735	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	339.25	78.02	26,469.2	99.65	33,805.4	100.31	34,029.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	339.25	78.02	26,469.2	99.65	33,805.4	100.31	34,029.3
12									
13									
14									
15									
16									
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ENGINEERING NO. B2-13946-5

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6.2.21 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]2111
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	[illegible]/65
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	L. VOGEL
SERIAL NO.	0000229	U.O. MISSILE	737	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.25	77.75	26,531.3	99.71	34,027.4	100.39	34,259.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.25	77.75	26,531.3	99.71	34,027.4	100.39	34,259.5
12									
13									
14									
15									
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6.2.22 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2086
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	W. BAIRD
SERIAL NO.	0000232	U.O. MISSILE	706	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	339.45	77.97	26,467.0	99.58	33,803.4	100.30	34,046.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	339.45	77.97	26,467.0	99.58	33,803.4	100.30	34,046.5
12									
13									
14									
15									
16									
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BOEING NO. D2-13946-5 PAGE 111

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6.2.23

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2101
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/29/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	W. BAIRD
SERIAL NO.	0000233	U.O. MISSILE	726	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.70	77.97	26,643.4	99.64	34,047.6	100.24	34,250.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.70	77.97	26,643.4	99.64	34,047.6	100.24	34,250.9
12									
13									
14									
15									
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6.2.24 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2098
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	[illegible]. ST. ROMAIN
SERIAL NO.	0000235	U.O. MISSILE	723	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	343.45	78.07	26,813.3	99.68	34,233.6	100.30	34,449.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	343.45	78.07	26,813.3	99.68	34,233.6	100.30	34,449.3
12									
13									
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6.2.25 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2100
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	W. BAIRD
SERIAL NO.	0000236	U.O. MISSILE	725	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.30	77.85	26,569.8	99.61	33,998.0	100.31	34,234.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	77.85	26,569.8	99.61	33,998.0	100.31	34,234.3
12									
13									
14									
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6.2.26 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2104
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	5/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000237	U.O. MISSILE	729	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.90	77.84	26,614.2	99.47	34,008.5	100.33	34,302.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.90	77.84	26,614.2	99.47	34,008.5	100.33	34,302.6
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15									
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2-55504-11 REV

6.2.27 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2107
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	5/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	T. VOGEL
SERIAL NO.	0000238	U.O. MISSILE	734	APPROVED	R. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.35	77.94	26,684.3	99.35	34,046.6	100.32	34,344.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.35	77.94	26,684.3	99.35	34,046.6	100.32	34,344.8
12									
13									
14									
15									
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6.2.28 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2112
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	[illegible]/63
MODEL NO.	MS-133	DRAWING NO.	25-36101-1	PREPARED	W. BAIRD
SERIAL NO.	0000239	U.O. MISSILE	738	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.80	77.99	26,733.4	99.56	34,128.8	100.42	34,422.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.80	77.99	26,733.4	99.56	34,128.8	100.42	34,422.8
12									
13									
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15									
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6.2.29 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2103
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	5/7/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	T. VOGEL
SERIAL NO.	000245	U.O. MISSILE	728	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.30	77.78	26,624.9	99.60	34,093.9	100.33	34,343.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.30	77.78	26,624.9	99.60	34,093.9	100.33	34,343.9
12									
13									
14									
15									
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..6.2.30 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2105
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	[illegible]0/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	[illegible]. FAIRD
SERIAL NO.	0000246	U.O. MISSILE	730	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.15	77.92	26,659.5	99.58	34,070.6	100.29	34,313.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.15	77.92	26,659.5	99.58	34,070.6	100.29	34,313.8
12									
13									
14									
15									
16									
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6.2.31 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-2107
COMPONENT	INTERSTAGE I-2	LOT NO.		DATE	5.2.63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	J[illegible] HILL
SERIAL NO.	0000247	U.O. MISSILE	733	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.05	77.93	26,654.6	99.45	34,015.3	100.31	34,310.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	-342.05	77.93	26,654.6	99.45	34,015.3	100.31	34,310.7
12									
13									
14									
15									
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6.2.32 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2110
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	2/9/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000248	U.O. MISSILE	736	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	339.45	78.04	26,491.0	99.59	33,807.5	100.28	34,039.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	339.45	78.04	26,491.0	99.59	33,807.5	100.28	34,039.7
12									
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BOEING

NO. D2-13946-5

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6.2.33 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	SPR-2097
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	W. LAIRD
SERIAL NO.	0000346	U.O. MISSILE	722	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.70	77.89	26,616.4	99.56	34,020.1	100.25	34,256.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.70	77.89	26,616.4	99.56	34,020.1	100.25	34,256.5
12									
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14									
15									
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6.2.34 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	[illegible]
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4-[illegible]-65
MODEL NO.	MS-133	DRAWING NO.	25-36101-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000356	U.O. MISSILE	695	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	344.55	78.03	26,885.3	99.62	34,327.1	100.33	34,570.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	344.55	78.03	26,885.3	99.62	34,327.1	100.33	34,570.4
12									
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15									
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BOEING NO. D2-13696-5 PAGE 43

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6.2.35

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2093
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	4/22/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	R. HOLCOMB
SERIAL NO.	0000357	U.O. MISSILE	718	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.70	77.94	26,631.4	99.71	34,069.6	100.26	34,259.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.70	77.94	26,631.4	99.71	34,069.6	100.26	34,259.2
12									
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15									
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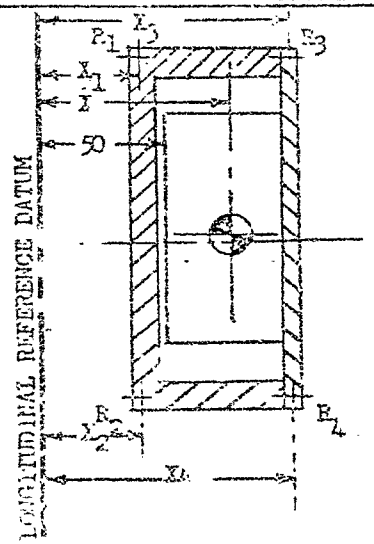
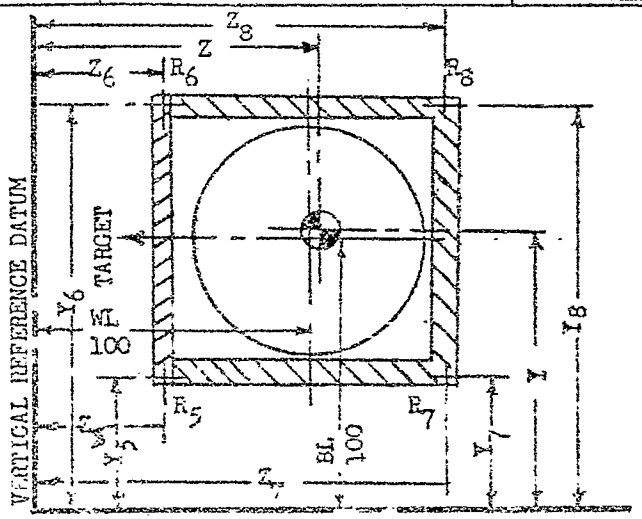
2-7824-0-8

S/N 0000207 | 6.3.1 | ACTUAL WEIGHT RECORD - SKIRT

U/D MISSILE 690	DRAWING NO. 25-36080-1	CHECK LIST NO. 9	REPORT NO. OPR-2079
MISSILE MODEL WS-133	DCN C	REPORTED BY NC/TV	PAGE NO.
CONFIGURATION TAR	ADCN 10	CHECKED BY GVR	DATE 3/26/63



NOTE: Views taken from top.



WEIGHING DATA

STATION	LEFT	RIGHT	CORR	AMOUNT	X ARM	Y ARM	Z ARM
R1	84.55	14.85		69.70	52.353		
R2	143.40	57.90		85.50	52.354		
R3	214.95	145.50		69.45	89.354		
R4	150.05	102.00		50.05	89.352		
TOTAL	594.95	320.25		274.70			
R5	176.25	102.00		74.25		63.752	63.662
R6	145.40	84.45		60.95		136.252	63.698
R7	119.00	57.90		61.10		63.727	136.160
R8	154.30	75.90		78.40		136.229	136.198
MOMENT					18,862.8	27,612.3	27,606.3
TOTAL	594.95	320.25		274.70	68.67	100.52	100.50

DIMENSIONAL DATA

DIM	INCHES	DIM	INCHES	DIM	INCHES
X1	52.353	Y5	63.752	Z5	63.662
X2	52.354	Y7	63.727	Z6	63.698
X3	89.354	Y	136.252	Z7	136.160
X4	89.352	Y8	136.229	Z8	136.198

REMARKS

2-12-3

Fig. "A" Number: 6901 Serial Number: 0000207

2-5550-0-79

CHECK LIST NO. 9

DATE

6.3.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

RECORD OF CHECKING (DATE)

Mo		3						
Day		26						
Yr		63						

SECTION MISSILE NO. 690

MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED		COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	REV. OF USED ON: ADCN	REV. OF USED ON: DCN
	BODY SECTION ASSY	25-36080-1					-	-					
	Skirt	25-36081-1					x	x					
	Screw (4)	NAS514P832-8					x	x					
	Screw (4)	NAS603-10					x	x					
	Suppt. Brkt. G&C & [illegible] Conn.	25-37345-1					x	x					
	Brkt., G&C Cable	29-28033-1					x	x					
	Brkt., Cable Suppt.	29-28847-1					x	x					
	Brkt., Cable Suppt.	29-28847-2					x	x					
	Marking Installation	25-20134-30					x	x					
	Insulation	MS 5-62					x	x					

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6.3.1 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2079
COMPONENT	SKIRT	LOT NO.		DATE	3/26/65
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0[illegible]0207	U.O. MISSILE	690	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.70	68.67	18,862.8	100.52	27,612.3	100.50	27,606.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.70	68.67	18,862.8	100.52	27,612.3	100.50	27,606.5
12									
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14									
15									
16									
17									
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6.3.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2082
COMPONENT	SKIRT	LOT NO.		DATE	3/28/63
MODEL NO.	MM-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0100208	U.O. MISSILE	697	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.15	68.60	18,944.3	100.50	27,751.8	100.80	27,836.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.15	68.60	18,944.3	100.50	27,751.8	100.80	27,836.6
12									
13									
14									
15									
16									
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6.3.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]
COMPONENT	SKIRT	LOT NO.		DATE	4/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000209	U.O. MISSILE	702	APPROVED	G. ROBBINS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	273.95	68.66	18,808.6	100.38	27,499.2	100.57	27,551.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.95	68.66	18,808.6	100.38	27,499.2	100.57	27,551.5
12									
13									
14									
15									
16									
17									
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6.3.4 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	[illegible]-4087
COMPONENT	SKIRT	LOT NO.		DATE	[illegible]63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	[illegible]
SERIAL NO.	[illegible]10	U.O. MISSILE	707	APPROVED	G. ROBBINS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Welded)	275.00	68.87	18,938.5	100.58	27,660.4	100.47	27,629.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.00	68.87	18,938.5	100.58	27,660.4	100.47	27,629.3
12									
13									
14									
15									
16									
17									
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6.3.5 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CPR-2078
COMPONENT	SKIN	LOT NO.		DATE	5/1/68
MODEL NO.	MS-1[illegible]	DRAWING NO.	25-36080-1	PREPARED	M. HAND
SERIAL NO.	C[illegible]213	U.O. MISSILE	688	APPROVED	G. HOLMES

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.20	[illegible]	18,726.3	100.68	27,405.8	100.53	27,364.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.20	68.80	18,726.3	100.68	27,405.8	100.53	27,364.0
12									
13									
14									
15									
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6.3.6 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2080
COMPONENT	SKIRT	LOT NO.		DATE	3/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	T. VOGEL
SERIAL NO.	0000214	U.O. MISSILE	693	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.75	68.63	18,719.5	100.42	27,390.1	100.60	27,438.8
3									
4									
5		ADD:							
6			0						
7									
8		DEDUCT:							
9			0						
10									
11	25-36080-1	Body Section (Complete)	272.75	68.63	18,719.5	100.42	27,390.1	100.60	27,438.8
12									
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6.3.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2083
COMPONENT	SKIRT	LOT NO.		DATE	4/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000215	U.O. MISSILE	700	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.00	68.84	18,861.7	100.43	27,516.9	100.64	27,576.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.00	68.84	18,861.7	100.43	27,516.9	100.64	27,576.4
12									
13									
14									
15									
16									
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6.3.8 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2085
COMPONENT	SKIRT	LOT NO.		DATE	4/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000216	U.O. MISSILE	704	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.50	68.85	18,760.8	100.46	27,374.2	100.59	27,412.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.50	68.85	18,760.8	100.46	27,374.2	100.59	27,412.0
12									
13									
14									
15									
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6.3.9 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2088
COMPONENT	SKIRT	LOT NO.		DATE	4/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	W. BAIRD
SERIAL NO.	0000217	U.O. MISSILE	709	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.70	68.71	18,875.9	100.31	27,554.3	100.75	27,675.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.70	68.71	18,875.9	100.31	27,554.3	100.75	27,675.4
12									
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6.3.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2090
COMPONENT	SKIRT	LOT NO.		DATE	4/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	W. BAIRD
SERIAL NO.	0000218	U.O. MISSILE	712	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.35	68.69	18,983.0	100.56	27,789.9	100.54	27,784.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.35	68.69	18,983.0	100.56	27,789.9	100.54	27,784.1
12									
13									
14									
15									
16									
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6.3.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2092
COMPONENT	SKIRT	LOT NO.		DATE	4-12-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	T. VOGEL
SERIAL NO.	0000219	U.O. MISSILE	716	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	277.00	68.75	19,045.1	100.49	27,835.0	100.57	27,859.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	277.00	68.75	19,045.1	100.49	27,835.0	100.57	27,859.1
12									
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15									
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6.3.12 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2095
COMPONENT	SKIRT	LOT NO.		DATE	4-19-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. HOLCOMB
SERIAL NO.	0000220	U.O. MISSILE	720	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.40	68.71	18,852.7	100.29	27,520.7	100.74	27,641.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.40	68.71	18,852.7	100.29	27,520.7	100.74	27,641.8
12									
13									
14									
15									
16									
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6.3.13 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CPR-2089
COMPONENT	SKIRT	LOT NO.		DATE	4/8/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000221	U.O. MISSILE	711	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.00	68.70	18,960.8	100.42	27,716.9	100.49	27,736.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.00	68.70	18,960.8	100.42	27,716.9	100.49	27,736.4
12									
13									
14									
15									
16									
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6.3.14 WEIGHT AND BALANCE CHANGE RECORD

PRIME CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CER-2091
COMPONENT	SKIRT	LOT NO.		DATE	1/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	E. CHRISTIANSEN
SERIAL NO.	0000222	U.O. MISSILE	714	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.70	68.75	18,885.3	100.48	27,601.4	100.64	27,646.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.70	68.75	18,885.3	100.48	27,601.4	100.64	27,646.4
12									
13									
14									
15									
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6.3.15 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2094
COMPONENT	SKIRT	LOT NO.		DATE	4-12-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	T. VOTEL
SERIAL NO.	0000223	U.O. MISSILE	719	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.70	68.89	18,922.8	100.52	27,612.3	100.63	27,642.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.70	68.89	18,922.8	100.52	27,612.3	100.63	27,642.8
12									
13									
14									
15									
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6.3.16 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OTR-2006
COMPONENT	SKIRT	LOT NO.		DATE	4-16-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	J. HILL
SERIAL NO.	0000224	U.O. MISSILE	721	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.90	68.79	18,978.1	100.62	27,761.3	100.52	27,733.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.90	68.79	18,978.1	100.62	27,761.3	100.52	27,733.7
12									
13									
14									
15									
16									
17									
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6.3.17 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2099
COMPONENT	SKIRT	LOT NO.		DATE	4/22/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000225	U.O. MISSILE	724	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.55	.83	18,898.1	100.50	27,591.8	100.61	27,622.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.55	68.83	18,898.1	100.50	27,591.8	100.61	27,622.3
12									
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14									
15									
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6.3.18 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2102
COMPONENT	SKIRT	LOT NO.		DATE	4/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	W. BAIRD
SERIAL NO.	0000226	U.O. MISSILE	727	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.75	68.80	18,972.2	100.65	27,755.3	100.55	27,727.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.75	68.80	18,972.2	100.65	27,755.3	100.55	27,727.8
12									
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15									
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6.3.19 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2106
COMPONENT	SKIRT	LOT NO.		DATE	4/29/63
MODEL NO.	WS -133	DRAWING NO.	25-36080-1	PREPARED	T. VOGEL
SERIAL NO.	0000227	U.O. MISSILE	732	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.50	68.75	18,736.4	100.46	27,374.2	100.63	27,422.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.50	68.75	18,736.4	100.46	27,374.2	100.63	27,422.9
12									
13									
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15									
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6.3.20 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2109
COMPONENT	SKIRT	LOT NO.		DATE	4/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	T. VOGEL
SERIAL NO.	0000228	U.O. MISSILE	735	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	271.95	68.69	18,679.5	100.50	27,331.9	100.59	27,355.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	271.95	68.69	18,679.5	100.50	27,331.9	100.59	27,355.3
12									
13									
14									
15									
16									
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6.3.21 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2811
COMPONENT	SKINT	LOT NO.		DATE	5/2/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. ST. ROBIN
SERIAL NO.	0220229	U.O. MISSILE	737	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.50	68.61	18,697.0	100.63	27,421.3	100.54	27,397.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.50	68.61	18,697.0	100.63	27,421.3	100.54	27,397.6
12									
13									
14									
15									
16									
17									
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6.3.22 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CPR-2086
COMPONENT	SKIRT	LOT NO.		DATE	4/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000232	U.O. MISSILE	706	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	273.35	[illegible]	18,833.4	100.49	27,468.2	100.48	27,466.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.35	68.90	18,833.4	100.49	27,468.2	100.48	27,466.2
12									
13									
14									
15									
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6.3.23 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2101
COMPONENT	SKIRT	LOT NO.		DATE	4-19-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	J. HILL
SERIAL NO.	0000233	U.O. MISSILE	726	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.20	68.73	18,915.2	100.66	27,702.1	100.54	27,667.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.20	68.73	18,915.2	100.66	27,702.1	100.54	27,667.4
12									
13									
14									
15									
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6.3.24 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2098
COMPONENT	SKIRT	LOT NO.		DATE	4-18-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	J. HILL
SERIAL NO.	0000235	U.O. MISSILE	723	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.55	68.78	18,952.3	100.73	27,757.1	100.50	27,693.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.55	68.78	18,952.3	100.73	27,757.1	100.50	27,693.3
12									
13									
14									
15									
16									
17									
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6.3.25 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2100
COMPONENT	SKIRT	LOT NO.		DATE	4/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	W. BAIRD
SERIAL NO.	0000236	U.O. MISSILE	725	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.05	68.81	18,926.1	100.68	27,692.6	100.48	27,636.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.05	68.81	18,926.1	100.68	27,692.6	100.48	27,636.1
12									
13									
14									
15									
16									
17									
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6.3.26 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2104
[illegible]MENT	SKIRT	LOT NO.		DATE	4/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	W. BAIRD
SERIAL NO.	0000237	U.O. MISSILE	729	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	271.55	68.81	18,684.8	100.52	27,295.5	100.64	27,329.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	271.55	68.81	18,684.8	100.52	27,295.5	100.64	27,329.9
12									
13									
14									
15									
16									
17									
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6.3.27 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OFR-2108
COMPONENT	SKIRT	LOT NO.		DATE	4/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000238	U.O. MISSILE	734	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	271.85	68.65	18,663.0	100.50	27,321.9	100.66	27,363.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	271.85	68.65	18,663.0	100.50	27,321.9	100.66	27,363.4
12									
13									
14									
15									
16									
17									
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6.3.28 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2112
COMPONENT	SKIRT	LOT NO.		DATE	5/2/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	T. VOGEL
SERIAL NO.	0000239	U.O. MISSILE	738	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.00	68.76	18,702.7	100.56	27,353.2	100.50	27,336.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.00	68.76	18,702.7	100.56	27,353.2	100.50	27,336.7
12									
13									
14									
15									
16									
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6.3.29 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2103
COMPONENT	SKIRT	LOT NO.		DATE	4/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. HOLCOMB
SERIAL NO.	0000245	U.O. MISSILE	728	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.80	68.73	18,886.8	100.41	27,593.3	100.67	27,663.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.80	68.73	18,886.8	100.41	27,593.3	100.67	27,663.6
12									
13									
14									
15									
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6.3.30 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2105
COMPONENT	SKIRT	LOT NO.		DATE	4/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000246	U.O. MISSILE	730	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.70	68.82	18,905.9	100.43	27,586.9	100.79	27,686.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.70	68.82	18,905.9	100.43	27,586.9	100.79	27,686.3
12									
13									
14									
15									
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6.3.31

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2107
COMPONENT	SKIRT	LOT NO.		DATE	4/29/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	W. BAIRD
SERIAL NO.	0000247	U.O. MISSILE	733	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.45	68.68	18,713.2	100.48	27,374.6	100.76	27,452.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.45	68.68	18,713.2	100.48	27,374.6	100.76	27,452.4
12									
13									
14									
15									
16									
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6.3.32 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2110
COMPONENT	SKIRT	LOT NO.		DATE	5/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	R. ST. ROMAIN
SERIAL NO.	0000248	U.O. MISSILE	736	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.15	68.70	18,695.6	100.58	27,373.6	100.51	27,353.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.15	68.70	18,695.6	100.58	27,373.6	100.51	27,353.5
12									
13									
14									
15									
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6.3.33 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2097
COMPONENT	SKIRT	LOT NO.		DATE	4-16-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	J. HILL
SERIAL NO.	0000346	U.O. MISSILE	722	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.60	68.78	18,9[illegible].0	100.62	27,731.0	100.43	27,678.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.60	68.78	18,955.0	100.62	27,731.0	100.43	27,678.0
12									
13									
14									
15									
16									
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6.3.34 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2081
COMPONENT	SKIRT	LOT NO.		DATE	3/27/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	H. CHRISTIANSEN
SERIAL NO.	0000356	U.O. MISSILE	695	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	272.55	68.72	18,729.6	100.53	27,399.1	100.55	27,404.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.55	68.72	18,729.6	100.53	27,399.1	100.55	27,404.4
12									
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6.3.35

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF 04(694)-046	REPORT NO.	OPR-2093
COMPONENT	SKIRT	LOT NO.		DATE	4-18-63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	T. VOGEL
SERIAL NO.	0000357	U.O. MISSILE	718	APPROVED	G. ROBERTS

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.10	68.79	18,855.8	100.52	27,552.3	100.56	27,564.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.10	68.79	18,855.8	100.52	27,552.3	100.56	27,564.7
12									
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15									
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6.4 BASE HEAT DEFLECTORS

SERIAL NUMBER	25-36379-1	25-36378-1	25-36377-1
0000207	5.89 lb.	15.66 lb.	25.26 lb.
0000208	5.91	15.40	25.17
0000209	5.90	15.50	25.13
0000210	5.90	15.64	25.51
0000213	5.76	15.51	25.66
0000214	5.97	15.36	25.17
0000215	5.91	15.56	25.44
0000216	5.83	15.79	25.55
0000217	5.83	15.63	25.85
0000218	5.99	15.55	24.87
0000219	5.89	15.60	25.30
0000220	5.90	15.84	25.36
0000221	5.89	15.67	25.42
0000222	5.96	15.69	25.07
0000223	5.98	15.56	25.82
0000224	5.89	15.72	25.52
0000225	5.84	15.55	25.34
0000226	5.99	15.77	25.49
0000227	5.98	15.61	25.46
0000228	5.81	15.68	25.53
0000229	5.89	15.58	25.26
0000232	5.89	15.61	25.56
0000233	5.83	15.81	25.32
0000235	5.82	15.70	25.47
0000236	6.02	15.64	25.79
0000237	5.84	15.47	25.79
0000238	5.90	15.55	24.79
0000239	5.90	15.69	25.78
0000245	6.02	14.96	25.03
0000246	5.87	15.50	25.37
0000247	5.87	15.60	25.50
0000248	5.89	15.73	24.91
0000346	6.00	15.60	25.59
0000356	5.89	15.60	25.44
0000357	5.96	15.78	25.46